

00408

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**BICSE-015**

**B.Tech. – VIEP – COMPUTER SCIENCE AND  
ENGINEERING (BTCSVI)**

**Term-End Examination**

**December, 2015**

**BICSE-015 : SOFTWARE QUALITY ENGINEERING**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt any seven questions. Each question carries equal marks.*

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1. Briefly explain the terms Software Quality and Cost of Quality using suitable examples. 10
2. Differentiate between Defect Prevention, Reduction and Containment using suitable examples. 10
3. Explain the Measurement and Inspection processes in detail. 10
4. What do you understand by defect arrival pattern ? Also explain the phase based defect removal pattern. 10
5. State and explain the metric for software maintenance in detail. 10

- 6.** Describe the software quality modelling process in detail. *10*
  - 7.** Explain the various Software Quality Assessment models in detail. *10*
  - 8.** What do you understand by Statistical Quality Assurance ? Also explain the concept of Zero Defect Software. *10*
  - 9.** What is Error Oriented Analysis and Testing ? Explain in detail using suitable examples. *10*
  - 10.** Explain the various types of testing tools along with the characteristics of Modern Testing Tools. *10*
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